



Classification: Electric Generation Systems Specialist I	Position No. 5700-4841-002
CBID: R09	Office: Renewable Energy
Date Prepared: November 30, 2017	Division: Renewable Energy
KEY: (E) IS ESSENTIAL, (M) IS MARGINAL	

The Electric Generation System Specialist I is under the general direction of the Electric Generation System Specialist III in the Renewable Energy Division. The incumbent acts as a technical analyst conducting research and analysis on electric grid system operations, renewable energy generation, and electricity markets to support programs implemented by the Renewable Energy Division, including the Renewables Portfolio Standard (RPS) program. The incumbent will participate in technical and policy analysis focused on advancing grid integration solutions to address the growth of renewable energy generation, helping realize the grid reliability benefits of California's RPS. Additional areas of analysis may include, but are not limited to, the role and impact of community choice aggregators (CCAs) on advancing renewable energy; impacts of the energy imbalance market (EIM) to renewables generation and procurement; tracking of renewable energy generation in the EIM and the impact on RPS; and effects of load modification through distributed generation, electricity storage, and transportation electrification on renewable and non-renewable electricity generation and procurement. The incumbent will engage utility and other stakeholders and coordinate efforts with other state agencies including the California Independent System Operator (CAISO), the California Public Utilities Commission (CPUC), and the California Air Resources Board (CARB). This position requires an understanding of a broad range of analytic, policy, and functional program issues.

WORKING CONDITIONS:

The work is performed in an indoor office and meeting room setting involving sitting, standing, and walking. Travel may be required to attend workshops, hearings and meetings. Additional hours beyond an eight-hour workday or forty-hour workweek may be required. While performing the duties described below, the incumbent will be required to work alone and/or in a team environment, using a personal computer and appropriate Energy Commission software such as word processing, electronic mail and Internet; participate in and lead meetings with other staff and with other agencies.

DUTIES AND RESPONSIBILITIES:

- 40% Provide high-level technical analysis presented in the form of opinion papers, guidance documents, white papers, and internal briefing documents on electricity generation system-related topics impacting the operation and success of the Renewables Portfolio Standard Program and other efforts managed by the Renewable Energy Division. Develop summaries of current and anticipated renewable energy generation technologies and facilities to assist with programmatic decisions related to the implementation of the Renewables Portfolio Standard Program. Develop recommendations for areas



of research and analysis, as well as possible programmatic or policy changes, to inform the evolution of programs to support the state's clean energy and climate goals. (E)

- 30% Develop white papers and policy briefs on barriers and potential solutions to further integration of utility scale and distributed renewable generation onto the electrical transmission and distribution grid. Perform technical and policy analysis of supply-side and demand-side renewables integration technologies and management options; technology-pathways costs, benefits, barriers, and GHG impacts; current and future regulatory, economic, and market barriers; and current and possible policy options.
- 15% Contribute analyses and written narrative on the past, current, and future integration of renewable energy generation for the Integrated Energy Policy Report and other policy and communication documents focused on renewable energy issues; review and analyze pending legislation related to renewable energy; collaborate on updates to the *Renewable Portfolio Standard Eligibility Guidebook*; establish and participate in interdisciplinary and interdivisional teams to ensure consistency and collaboration across the Energy Commission. (E)
- 10% Serve as an Energy Commission representative with public and private entities addressing issues related to renewable energy programs; present at meetings, conferences, and seminars; develop and maintain collaborative relationships with federal, state, and local agencies, utilities, and private partners involved in renewable energy programs; assess and address issues raised by federal, state, and local agencies; the general public; and community-based organizations. (E)
- 5% Perform other duties as required consistent with the specifications of this classification. (M)

SIGNATURES			
I Certify That I Am Able To Perform, With Or Without The Assistance Of A Reasonable Accommodation, The Essential Job Duties Of This Position			
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Elec Gen Systems Specialist I	Date	Elec Gen Systems Specialist III	Date
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